

## New England Biolabs Certificate of Analysis

**Product Name:** NEB® PCR Cloning Kit  
**Catalog Number:** E1202S  
**Packaging Lot Number:** 10242791  
**Expiration Date:** 04/2025  
**Storage Temperature:** Multi-temperature\*  
**Specification Version:** PS-E1202S v2.0

\* This product contains components with different storage temperature requirements. Please reference the applicable product specification document(s) on the Quality and Safety tab located on the product page of [www.neb.com](http://www.neb.com).

NEB® PCR Cloning Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1513AVIAL	Cloning Analysis Reverse Primer	10229614	Pass
S1512AVIAL	Cloning Analysis Forward Primer	10229613	Pass
N3041AVIAL	pUC19 Vector	10236883	Pass
N0555AVIAL	Amplicon Cloning Control	10229612	Pass
N0312AVIAL	Linearized pMiniT™ 2.0 Vector	10229609	Pass
M1016AVIAL	Cloning Master Mix 2	10226757	Pass
M1015AVIAL	Cloning Master Mix 1	10226756	Pass
C3018AVIAL	NEB® 10-beta Competent E. coli (Cloning Efficiency)	10247446	Pass
B9035SVIAL	NEB® 10-beta/Stable Outgrowth Medium	10236161	Pass

Assay Name/Specification	Lot # 10242791
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEB® PCR Cloning Kit and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (NEB® PCR Cloning Kit)</b> A 10 µl ligation reaction containing 5 µl cloning mix, 25 ng of linearized pMiniT™ 2.0 vector and 30 ng of a 1 kb amplicon containing A overhangs is incubated for 5 minutes at 25°C. Transformation of NEB 10-beta Competent E. coli with 2 µl of the ligated master mix/fragment mixture yields ≥ 100 colonies when 5% of the transformation is plated on an ampicillin plate and incubated overnight at 37°C. The colonies are screened by colony PCR and ≥95% of colonies have an insert present.</p>	<b>Pass</b>

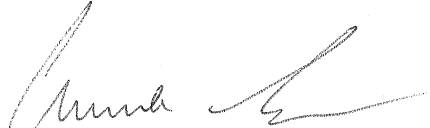
This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



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Lindsey Spiegelman  
Production Scientist  
02 Apr 2024



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Anna Sorensen  
Packaging Quality Control Inspector  
18 Jun 2024